

Cutter and Method of Manufacture Thereof

Abstract of Disclosure

A polycrystalline diamond cutter and method of manufacturing a polycrystalline diamond cutter is disclosed. The method of manufacture comprising assembling a first substrate component, a second notched substrate component and diamond crystals into a desired configuration. The assembly is subjected to high temperature and high pressure conditions to cause the diamond crystals to bond to one another and to the first and second substrate components. The method forms a cutter having a single body of polycrystalline diamond bonded to the substrate components.

Figures